

WHAT WE CLAIMS IS:

1. An ink-jet recording material comprising a support material and at least a lower and an upper pigment containing layer wherein the pigment of the upper layer is present in two particle size distributions (A,B), particle size distribution (A) is in the range of 10 to 100 nm, and the other particle size distribution (B) is in the range of 1,000 to 3,000, and wherein the pigment of the upper layer is different from the pigment of the lower layer and the average particle size of the pigment of the upper layer is different from the average particle size of the pigment of the lower layer.
2. An ink-jet recording material according to claim 1, wherein the weight ratio of A:B is 8:1 to 20:1.
3. An ink-jet recording material according to claim 1, wherein the pigment of the upper layer is based on alumina and is mainly amorphous.
4. An ink-jet recording material according to claim 1, wherein the particle size distribution of the pigment of the lower layer is in the range of 150 to 1,000 nm.
5. An ink-jet recording material according to claim 2, wherein the particle size distribution of the pigment of the lower layer is in the range of 150 to 1,000 nm.
6. An ink-jet recording material according to claim 3, wherein the particle size distribution of the pigment of the lower layer is in the range of 150 to 1,000 nm.

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7. An ink-jet recording material according to claim 1, wherein the pigment of the lower layer is based on silica and is amorphous.

8. An ink-jet recording material according to claim 4, wherein the pigment of the lower layer is based on silica and is amorphous.

9. An ink-jet recording material according to claim 8, wherein the pigment of the lower layer is cationically modified.

10. An ink-jet recording material according to claim 1, wherein a cross-linking agent containing layer is provided between the lower and the upper layer.

11. An ink-jet recording material according to claim 10, wherein the cross-linking agent is selected from the group consisting of epichlorohydrin, boric acid, boric acid salts, boron oxides, 3-glycidoxypropyltrimethoxy-silane, titanium(IV) diisopropoxydbis(acetylacetonate), titanium(IV) (triethanol aminate)isopropoxide, glyoxal and chrome alum.

12. An ink-jet recording material according to claim 1, wherein the support material is a polyolefin coated paper.

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